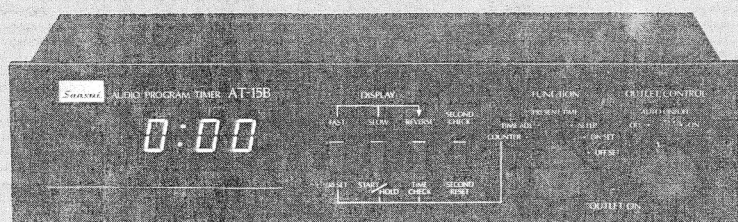


SERVICE MANUAL

AUDIO TIMER

**SANSUI AT-15B
AT-15S**



SPECIFICATIONS

Clock type	24-hour digital clock
Indication accuracy	Within ± 10 seconds a month (AC power supply synchronizing system)
On/off preset timer	
Preset	On/off time can be preset at will by units of minute.
Timer accuracy	Within ± 0.02 second of the set time
Sleep timer	Time of up to 1 hour 59 minutes can be set at will by units of minute
Timer counter	Capable of counting up to 1 hour 59 minutes 59 seconds 1 count for 1 second Indication is available in minute/second and hour/minute modes.
AC outlet	2 outlets, 700 W in total.
Power supply voltage	110 to 120 V/220 to 240 V (with the power supply voltage selector switch).
Power supply frequency	50/60 Hz (with the frequency selector switch).
Power consumption	7 W
Dimensions	270 mm (10-11/16") W 71 mm (2-13/16") H 121.5 mm (4-13/16") D
Weight	1.2 kg (2.6 lbs.) net 1.5 kg (3.3 lbs.) packed

*Design and specifications subject to change without notice for improvements.



SANSUI ELECTRIC CO., LTD.

1. PARTS LOCATION & PARTS LIST

Photo-1

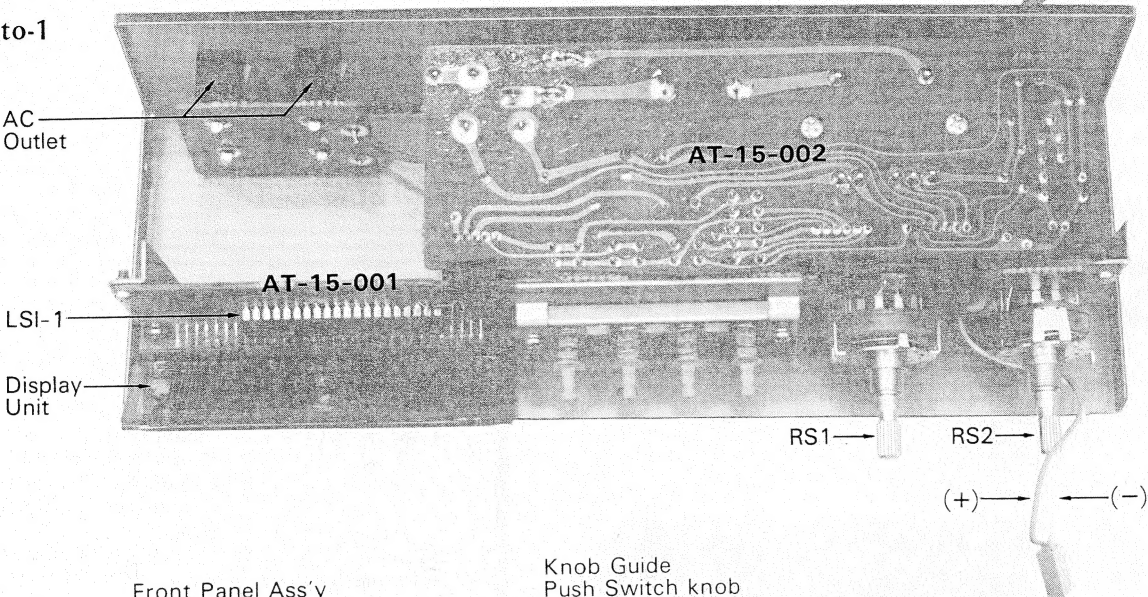


Photo-2

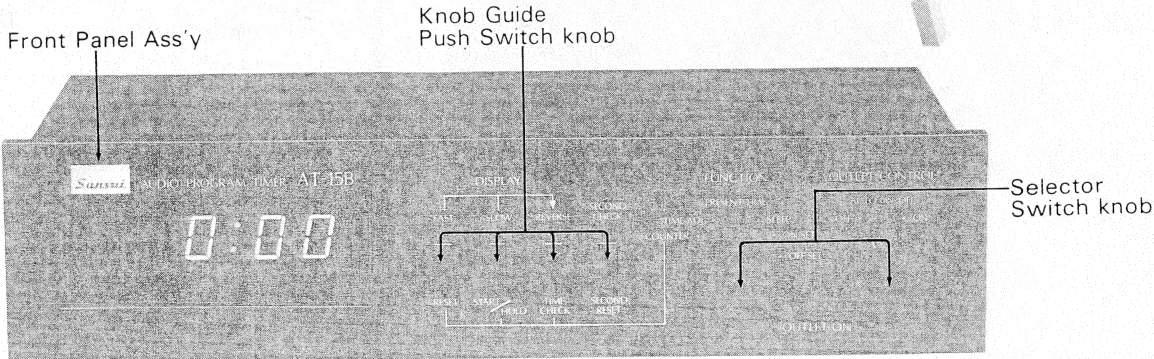
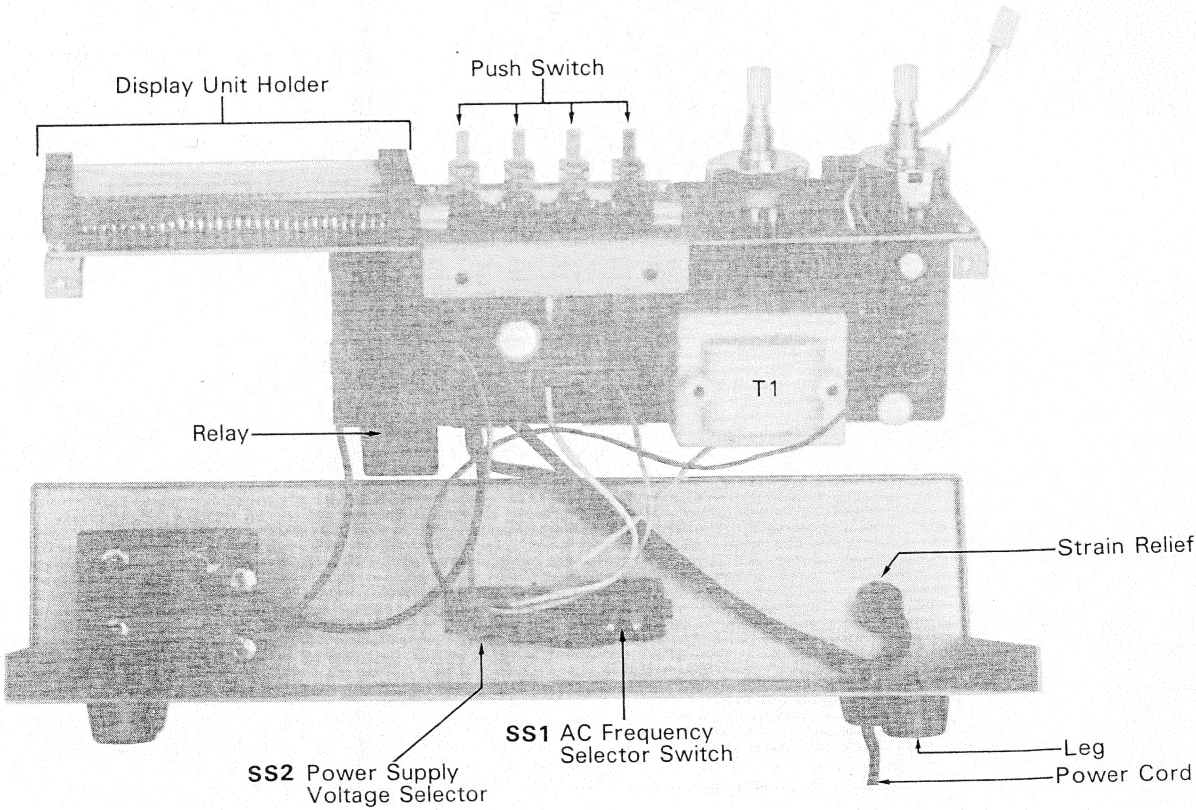
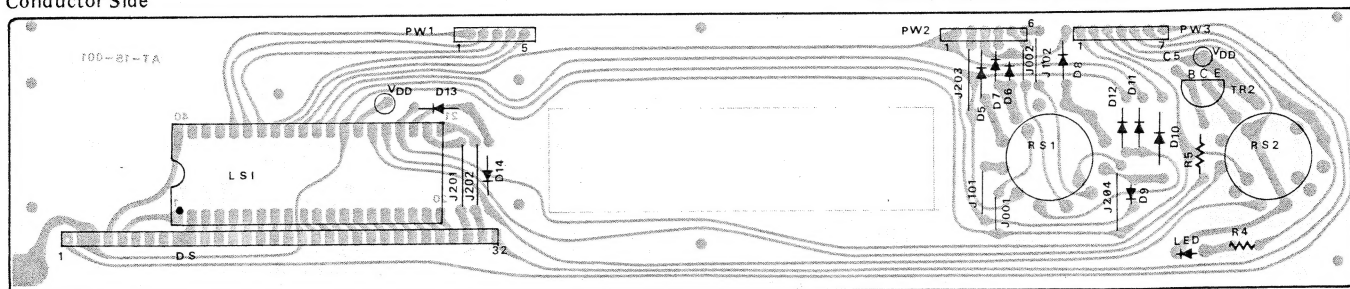


Photo-3



1-1. IC & Display Unit Circuit Board (AT-15XX-001)

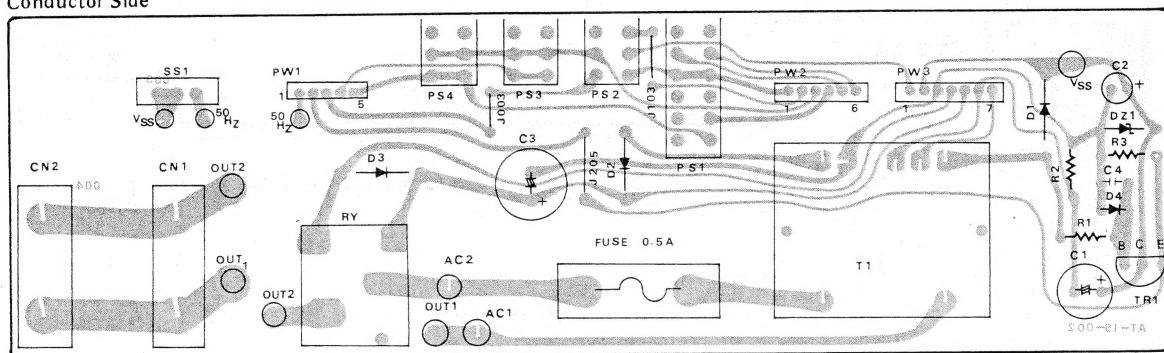
Conductor Side



Note: The circuit board, AT-15-001/AT-15-002 are not supplied as the assembled, the individual parts on the circuit board, however, are provided for orders.

1-2. Power Supply & Push Switch Circuit Board (AT-15XX-002)

Conductor Side



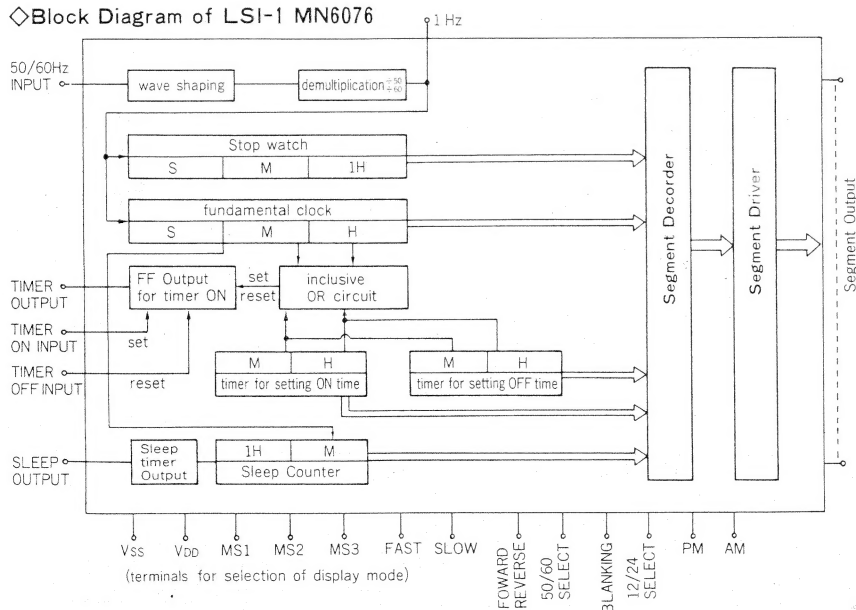
Parts List < Phts-1, 2, 3/ Circuit Board 1-1, 1-2>

Parts No.	Stock No.	Description	Parts No.	Stock No.	Description	Parts No.	Stock No.	Description
● Transistor			RS1	11019400	Function Switch		53194800	Push Knob B
TR1, 2	03059502	2SC945	RS2	11019500	Outlet Control Switch		53194900	Push Knob S
● IC							55173400	Leg
LS11	03612100	MN6076	T 1	40031400	Power Transformer		52965300	Display Unit Holder
● Diode							50070000	Bonnet
D 01 ~ 03	03117400	1N4002	PS 1 ~ 4	11320400	Push Switch		39108200	Strain Relief, AC Cord
D 04 ~ 14	03111800	1S1588	CN1, 2	24501100	AC Outlet	SS 2	11104200	Slide Switch, power supply
				38004701	AC Cord			voltage selector
				07108700	Front Panel Ass'y . . . B		52970600	Switch Stopper
				07108100	Front Panel Ass'y . . . S			
ZD01	03162900	RD12EB		53967900	Smoked Plate			
				53967700	Knob Guide B			
DS1	00000200	Display Unit		53967800	Knob Guide S			
				03191200	LED			
RY	11505800	Relay		07108600	Selector Knob B			
				07108000	Selector Knob S			
SS 1	11104100	AC Frequency Selector Switch						

Note:
 Since there are AT-15B & AT-15S in the parts list above,
 please pay attention when ordering Parts.
 Parts marked (B) in parts list for AT-15B only
 Parts marked (S) in parts list for AT-15S only

Note:
Since there are AT-15B & AT-15S in the parts list above,
please pay attention when ordering Parts.
Parts marked (B) in parts list for AT-15B only
Parts marked (S) in parts list for AT-15S only

◆Block Diagram of LSI-1 MN6076

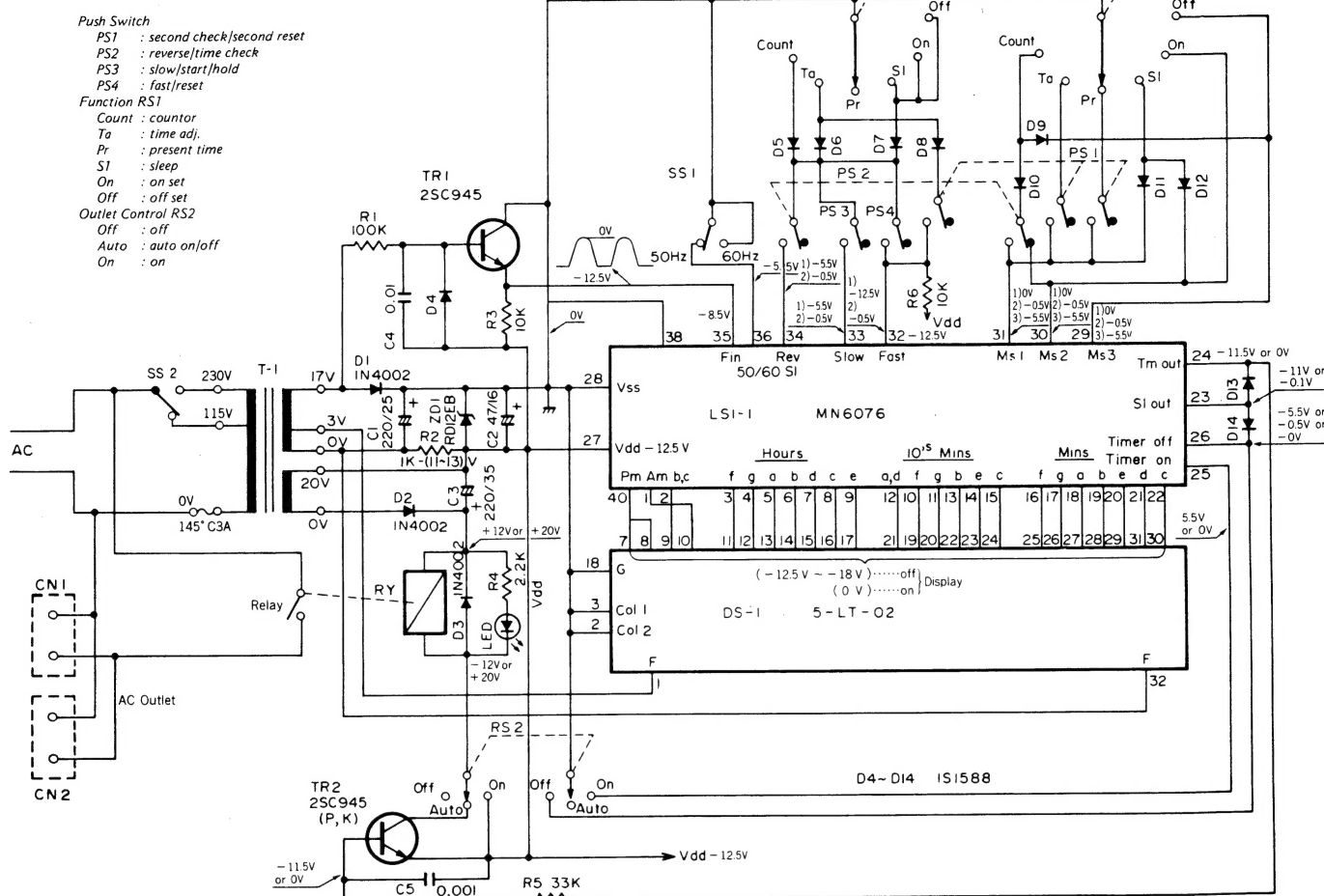


- REPLACEMENT OF IC & DISPLAY UNIT

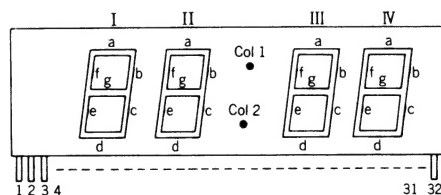
1. Remove bonnet and front panel ass'y.
2. Take out IC and display unit to this side.
3. Take off display unit holder at both sides then replace the IC to lean display unit toward this side. (The leads of display unit do not break off if the bending is within few times).

Input terminal voltage of LSI-1

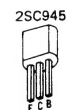
No. 29, 30, 31 : 1) grounded 2) grounded through Diode 3) ungrounded
No. 32 : 1) - VDD 2) grounded through Diode
No. 33, 34 : 1) ungrounded 2) grounded through Diode



◇Display Unit DS-1



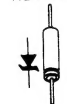
Segment	AM	PM	(b, c)	a, b, c, d, e, f, g	Cd1, Cd2	(a, b)										
Pin of Display Unit	5	4	(9, 10)	13 14 16 15 17 11 12	3 2	21										
	I			II	III											
	b	c	e	f	a	b	c	d	e	f	g	Ground	Heater	Heater		
	22	24	23	19	20	27	28	30	31	29	25	26	18	1	1	32
	III			IV												



1S1588
1N4002



RD12EE



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